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A new *Dymasius* J. Thomson, 1864 from Borneo (Coleoptera, Cerambycidae)

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Coleoptera; description;
Cerambycidae; new species;
Dymasius; Sabah;
taxonomy; Malaysia.

Abstract. – *Dymasius alexandri* n. sp. from Borneo (Malaysia) is described and compared with similar species.

Vitali F., 2026. – A new *Dymasius* J. Thomson, 1864 from Borneo (Coleoptera, Cerambycidae). *Faunitaxys*, 14(40): 1 – 3.

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Introduction

The fauna of Borneo currently includes 20 species of the genus *Dymasius* J. Thomson, 1864 (MIROSHNIKOV & HEFFERN, 2020), representing about one-third of the total number of known species. However, the composition of this genus appears heterogeneous and deserves a comprehensive revision, in addition to that already performed by JACQUOT (2021). A new species of this genus, based on a specimen collected in Sabah (East Malaysia), is described here.

Examined collections

CFV: Collection Francesco Vitali, Luxembourg (Luxembourg).

Results

Dymasius alexandri n. sp.

(Fig. 1-2)

ZooBank: <https://zoobank.org/499E934E-1565-46B7-8694-2A4B3C0DEA86>

Holotype, ♂, Malaysia, Borneo, Sabah, Mt. Trus Madi, II–IV.2014, Y. Morimura lgt., in CFV.

Description

Body length (to elytral apex): 33 mm.

Habitus elongate; integument chestnut-brown, entirely covered with recumbent golden pubescence, very fine on appendages and ventral side, denser on head, pronotum, and elytra, where it forms a characteristic pattern varying with light incidence.

Head. – Massive, with an interantennal carina and a distinct fovea on the occiput; mandibles regularly hooked, dorsally convex, with sparse golden pubescence laterally. Antennae 11-segmented, 2.5 times as long as the body, surpassing the elytral apex at antennomere VII, densely punctate dorsally; antennomeres III–V apically notched; antennomeres VI–X ectoapically dentate. Scape almost cylindrical, with irregular dorsal furrows and two strong ventral notches; pedicel trapezoidal, as long as wide; antennomere III twice as long as IV or V; antennomeres VI–X progressively longer; antennomere XI curved, twice as long as the preceding one.

Prothorax. – Elongate, mutic, with a wide furrow along the apical margin and two furrows along the basal margin; dorsally feebly convex and

transversely covered with strong, irregular wrinkles, delimiting a basal field crossed by two wide, shallow transverse furrows.

The surface is covered by:

- (1) dense golden pubescence along the apical margin, triangularly directed posteriorly;
- (2) two lateral spots, the anterior one inverted U-shaped and the posterior one elongate;
- (3) an oval spot entirely covering the basal field. Additionally, the basal angles bear some long white bristles.

Scutellum. – Triangular, wider than long, glabrous and very finely punctate.

Elytra. – Feebly convex, posteriorly tapered, about 2.2 times as long as wide at humeri; apex truncate, with a short blunt spine at both angles.

Legs. – Relatively long; meso- and metafemora without longitudinal ridges or antennal-cleaning structures.

Intergenital furrow straight; gula coarsely punctate; neck smooth and shiny. Prosternum posteriorly concave, dorsally deeply furrowed and laterally bordered by raised margins.

Female. – Unknown.

Differential diagnosis. – *Dymasius alexandri* n. sp. is characterised by its very long antennae, relatively globose prothorax and oblong, posteriorly tapered elytra. Among all species of the genus, this species is most closely related to *Dymasius sticheri* (Hüdepohl, 1989) due to the sculptured scape. It differs in its larger body size (33 mm vs. 22.5–25.5 mm), longer antennae (less than twice as long as the body in *D. sticheri*), more globose prothorax, different pronotal pattern (golden spots less defined, with the basal one Λ -shaped in *D. sticheri*), less parallel elytra and different elytral pattern (forming smaller and more slender spots depending on light incidence).

Other species of the genus (*Dymasius hefferni* Holzschuh, 2005 and *Dymasius borneoensis* Miroshnikov & Heffer, 2020) show a similar pronotal pattern, but the scape is completely smooth, as in most species of the genus. Moreover, males of *D. hefferni* exhibit shorter and more globose basal antennomeres.

Dymasius sticheri and *D. alexandri* n. sp. may be related to *Parolesthes* Vitali, Gouverneur & Chemin, 2017, currently

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Fig. 1. *Dymasius alexandri* n. sp., Holotype male, habitus.



Fig. 2. *Dymasius alexandri* n. sp., Holotype male, pronotum.

considered a subgenus of *Trirachys* Hope, 1841 (VITALI, 2022). They differ in having a more elongate prothorax decorated with golden spots, which are absent in *Trirachys* but present in many *Dymasius* species.

Etymology. – This new species is dedicated to Alexandr Miroshnikov (Sochi, Russia), eminent specialist of Cerambycidae, in recognition of his valuable contributions to the taxonomy of this group.

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Résumé

Vitali F., 2026. – Une nouvelle espèce du genre *Dymasius* J. Thomson, 1864 de Bornéo (Coleoptera, Cerambycidae). *Faunitaxys*, 14(40): 1 – 3.

Dymasius alexandri n. sp., originaire de Bornéo (Malaisie), est décrite et comparée aux espèces proches.

Mots-clés. – Coleoptera, Cerambycidae, Cerambycinae, Cerambycini, *Dymasius*, taxonomie, description, nouvelle espèce, Sabah, Bornéo, Malaisie.

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Illustration de la couverture :

Les collines et les montagnes de Kundasang au lever du soleil.

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